

FILE 'REGISTRY' ENTERED AT 14:33:47 ON 05 JUL 2006  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 4 JUL 2006 HIGHEST RN 890521-76-3  
DICTIONARY FILE UPDATES: 4 JUL 2006 HIGHEST RN 890521-76-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

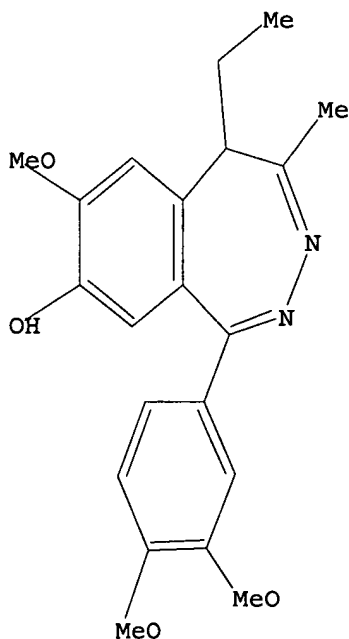
Uploading C:\Program Files\Stnexp\Queries\benzodiazepine.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssptakdc1617

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered  
NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 6 MAY 11 KOREAPAT updates resume  
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that  
specific topic.

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\*\*\*\*\*  
\* Due to scheduled maintenance of STN on Sunday, July 9, 2006, \*  
\* some databases may not be available until 04:00 (4:00 AM) \*  
\* Eastern Daylight Time. \*  
\*\*\*\*\*

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 14:33:27 ON 05 JUL 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

SAMPLE SEARCH INITIATED 14:34:36 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

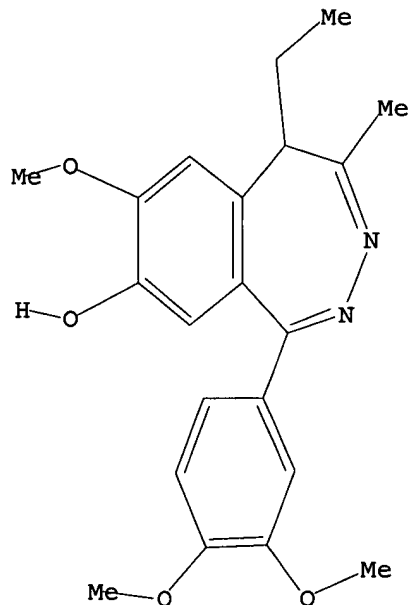
FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 11 TO 389  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=>  
Uploading C:\Program Files\Stnexp\Queries\benzodiazepine2.str

L3 STRUCTURE UPLOADED

=> d l3  
L3 HAS NO ANSWERS  
L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l3  
SAMPLE SEARCH INITIATED 14:39:02 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 9 TO 360  
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L3

=> s 14 full  
FULL SEARCH INITIATED 14:39:33 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 146 TO ITERATE

100.0% PROCESSED 146 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L5 0 SEA SSS FUL L3

=> s  
1-(3,4-dimethoxyphenyl)-4-methyl-5-ethyl-7-methoxy-8-hydroxy-5H-2,3-benzodiazepine  
MISSING OPERATOR '1-(3,4-DIMETH'

=> E  
"1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7-METHOXY-8-HYDROXY-5H-2,3-BENZODIAZEPINE"  
/CN 25  
E1 1  
1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7,8-DIMETHOXY-5H-2,3-BENZODIAZEPINE/CN  
E2 1  
1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7-HYDROXY-8-METHOXY-5H-2,3-BENZODIAZEPINE/C  
N  
E3 1 -->  
1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7-METHOXY-8-HYDROXY-5H-2,3-BENZODIAZEPINE/C  
N  
E4 1 1-(3,4-DIMETHOXYPHENYL)-4-OXOCYCLOHEXANECARBONITRILE/CN  
E5 1  
1-(3,4-DIMETHOXYPHENYL)-5,6-DIETHOXY-4-ETHYL-3-METHYL-2-BENZOPYRYLIUM HYDROGEN  
SULFATE/CN  
E6 1  
1-(3,4-DIMETHOXYPHENYL)-6,7-DIETHOXY-2-ETHYL-3,4-DIHYDROISOQUINOLINIUM IODIDE/CN  
E7 1  
1-(3,4-DIMETHOXYPHENYL)-6,7-DIHYDRO-9,10-DIMETHOXY-3-METHYL-2H-PYRIMIDO(6,1-A) ISOQUI  
NOLINE-2,4(3H)-DIONE/CN  
E8 1 1-(3,4-DIMETHOXYPHENYL)-6,7-DIMETHOXY-2-BENZOPYRYLIUM  
PERCHLORATE/CN  
E9 1  
1-(3,4-DIMETHOXYPHENYL)-7,8-DIMETHOXY-2,3,4,5-TETRAHYDRO-1H-BENZO(C) AZEPINE/CN  
E10 1  
1-(3,4-DIMETHOXYPHENYL)-7-ETHOXY-4-ETHYL-6-METHOXY-3-METHYL-2-BENZOPYRYLIUM  
HYDROGEN SULFATE/CN  
E11 1  
1-(3,4-DIMETHOXYPHENYL)-7-HYDROXY-4-OXO-1,4-DIHYDROQUINOLINE-3-CARBOXYLIC ACID  
N-(3,5-DIFLUOROPHENYL)-N-ETHYLAMIDE/CN  
E12 1 1-(3,4-DIMETHOXYPHENYL) 5,6-DIMETHOXY-3-METHYL-3-INDANONE/CN  
E13 1 1-(3,4-DIMETHOXYPHENYL) ADAMANTANE/CN  
E14 1 1-(3,4-DIMETHOXYPHENYL) BARBITURIC ACID/CN  
E15 1 1-(3,4-DIMETHOXYPHENYL) BUTAN-1,3-DIONE/CN  
E16 1 1-(3,4-DIMETHOXYPHENYL) BUTANE-1,2,3-TRIONE 2-OXIME/CN  
E17 1 1-(3,4-DIMETHOXYPHENYL) BUTANE-1,3-DIONE/CN  
E18 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANEACETIC ACID/CN  
E19 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANECARBONITRILE/CN  
E20 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANECARBONYL CHLORIDE/CN  
E21 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANECARBOXAMIDE/CN  
E22 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANECARBOXYLIC ACID/CN  
E23 1 1-(3,4-DIMETHOXYPHENYL) CYCLOHEXANEETHYLAMINE/CN  
E24 1 1-(3,4-DIMETHOXYPHENYL) CYCLOPROPANECARBONITRILE/CN  
E25 1 1-(3,4-DIMETHOXYPHENYL) CYCLOPROPANECARBOXALDEHYDE/CN

=> S E3

L6 1  
"1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7-METHOXY-8-HYDROXY-5H-2,3-BENZODIAZEPINE"  
/CN

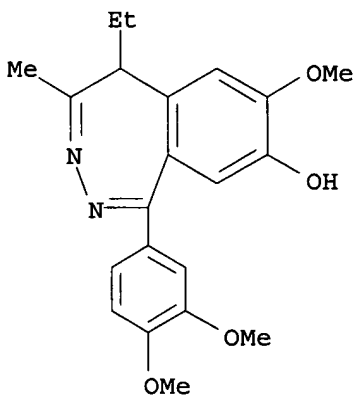
=> DIS L6 1 SQIDE

THE ESTIMATED COST FOR THIS REQUEST IS 6.36 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:Y

```

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 95500-09-7 REGISTRY
CN 5H-2,3-Benzodiazepin-8-ol, 1-(3,4-dimethoxyphenyl)-5-ethyl-7-methoxy-4-
methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1-(3,4-Dimethoxyphenyl)-4-methyl-5-ethyl-7-methoxy-8-hydroxy-5H-2,3-
benzodiazepine
FS 3D CONCORD
MF C21 H24 N2 O4
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
DT.CA Caplus document type: Journal; Patent
RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); USES (Uses)
RL.NP Roles from non-patents: FORM (Formation, nonpreparative)

```



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

9 REFERENCES IN FILE CA (1907 TO DATE)  
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
=> index patents
FILE 'ENCOMPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	180.64	180.85

```

INDEX 'CAOLD, CAPLUS, CASREACT, CROPU, DGENE, DPCI, ENCOMPPT, EPFULL,
FRANCEPAT, FRFULL, FSTA, GBFULL, IFIPAT, IMSPATENTS, INPADOC, JAPIO,
KOREAPAT, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA, PATDPAFULL,
PATDPASPC, PCTFULL, PCTGEN, PIRA, PROUSDDR, PS, ...'
ENTERED AT 14:44:07 ON 05 JUL 2006

```

40 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s 16

```
0*  FILE  CAOLD
0*  FILE  CAPLUS
0*  FILE  CASREACT
0*  FILE  CROPU
```

0\* FILE DGENE  
 0\* FILE DPCI  
 0\* FILE ENCOMPPAT  
 0\* FILE EPFULL  
 0\* FILE FRANCEPAT  
 0\* FILE FRFULL  
 0\* FILE FSTA  
 0\* FILE GBFULL  
 0\* FILE IFIPAT  
 0\* FILE INPADOC  
 0\* FILE JAPIO  
 0\* FILE KOREAPAT  
 0\* FILE LITALERT  
 0\* FILE NTIS  
 0\* FILE PAPERCHEM2  
 0\* FILE PATDD  
 0\* FILE PATDPA  
 0\* FILE PATDPAFULL  
 0\* FILE PCTFULL  
 0\* FILE PCTGEN  
 0\* FILE RAPRA  
 0\* FILE RDISCLOSURE  
 0\* FILE RUSSIAPAT

33 FILES SEARCHED...

0\* FILE USPATFULL  
 0\* FILE USPAT2  
 0\* FILE WPIDS  
 0\* FILE WPIFV  
 0\* FILE WPINDEX

0 FILES HAVE ONE OR MORE ANSWERS, 40 FILES SEARCHED IN STNINDEX

L7 QUE L6

=> index medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED  
 COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.61	181.46

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CAPLUS, DDFB, DDFU,  
 DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ESBIODBASE,  
 IFIPAT, IMSDRUGNEWS, IMSPRODUCT, IPA, JICST-EPLUS, KOSMET, LIFESCI,  
 MEDLINE, NAPRALERT, NLDB, NUTRACEUT, ...' ENTERED AT 14:44:49 ON 05 JUL 2006

36 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
 search error messages that display as 0\* with SET DETAIL OFF.

=> s 16

0\* FILE ADISCTI  
 0\* FILE CAPLUS  
 0\* FILE DDFB  
 0\* FILE DDFU  
 0\* FILE DGENE  
 0\* FILE DISSABS  
 0\* FILE DRUGB  
 0\* FILE DRUGU  
 0\* FILE EMBAL  
 0\* FILE ESBIODBASE  
 0\* FILE IFIPAT  
 0\* FILE KOSMET  
 0\* FILE LIFESCI

0\* FILE NUTRACEUT  
 0\* FILE PASCAL  
 0\* FILE PCTGEN  
 0\* FILE PHARMAML  
 0\* FILE PHIC  
 0\* FILE PHIN  
 0\* FILE SCISEARCH  
 3 FILE TOXCENTER  
 0\* FILE USPATFULL  
 0\* FILE USPAT2

1 FILES HAVE ONE OR MORE ANSWERS, 36 FILES SEARCHED IN STNINDEX

L8 QUE L6

=> index chemistry

FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.61	182.07

INDEX 'AGRICOLA, ALUMINIUM, ANABSTR, APOLLIT, AQUALINE, AQUIRE, BABS, BIOTECHNO, CABA, CAOLD, CAPLUS, CBNB, CEABA-VTB, CERAB, CIN, COMPENDEX, CONFSCI, COPPERLIT, CORROSION, DISSABS, ENCOMPLIT, GENBANK, INSPEC, INSPHYS, INVESTEXT, IPA, JICST-EPLUS, KOSMET, ...' ENTERED AT 14:45:37 ON 05 JUL 2006

43 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s 16

0\* FILE ALUMINIUM  
 0\* FILE APOLLIT  
 0\* FILE AQUALINE  
 0\* FILE BABS  
 0\* FILE CABA  
 0\* FILE CAOLD  
 0\* FILE CAPLUS  
 0\* FILE CEABA-VTB  
 0\* FILE CERAB  
 0\* FILE COMPENDEX  
 0\* FILE CONFSCI  
 0\* FILE COPPERLIT  
 0\* FILE CORROSION  
 0\* FILE DISSABS  
 0\* FILE ENCOMPLIT  
 0\* FILE GENBANK  
 0\* FILE INSPEC  
 0\* FILE INSPHYS  
 0\* FILE INVESTEXT  
 0\* FILE KOSMET  
 0\* FILE METADEX  
 0\* FILE NTIS  
 0\* FILE PAPERCHEM2  
 0\* FILE PASCAL  
 0\* FILE RAPRA  
 0\* FILE RDISCLOSURE

36 FILES SEARCHED...

0\* FILE SCISEARCH  
 0\* FILE WATER  
 0\* FILE WELDASEARCH  
 0\* FILE WSCA

0 FILES HAVE ONE OR MORE ANSWERS, 43 FILES SEARCHED IN STNINDEX

L9 QUE L6

=> index meeting

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.61

182.68

INDEX 'AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX, COMPUAB, CONFSCI, ELCOM,  
HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN, PAPERCHEM2, PASCAL, POLLUAB,  
SOLIDSTATE' ENTERED AT 14:46:05 ON 05 JUL 2006

15 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s 16

0\* FILE AQUASCI  
0\* FILE COMPENDEX  
0\* FILE COMPUAB  
0\* FILE CONFSCI  
0\* FILE ELCOM  
0\* FILE HEALSAFE  
0\* FILE IMSDRUGCONF  
0\* FILE LIFESCI  
0\* FILE OCEAN  
0\* FILE PAPERCHEM2  
0\* FILE PASCAL  
0\* FILE POLLUAB  
0\* FILE SOLIDSTATE

0 FILES HAVE ONE OR MORE ANSWERS, 15 FILES SEARCHED IN STNINDEX

L10 QUE L6

=> index formulations

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.61

183.29

INDEX 'ADISINSIGHT, BIOSIS, CABA, CAPLUS, CROPU, DDFU, DRUGU, EMBASE,  
IMSPATENTS, IPA, MEDLINE, PASCAL, PHAR, PHIN, PROMT, SCISEARCH,  
TOXCENTER, WPIDS, WPINDEX' ENTERED AT 14:46:20 ON 05 JUL 2006

19 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> s 16

0\* FILE CABA  
0\* FILE CAPLUS  
0\* FILE CROPU  
0\* FILE DDFU  
0\* FILE DRUGU  
0\* FILE PASCAL  
0\* FILE PHIN  
0\* FILE SCISEARCH  
3 FILE TOXCENTER  
0\* FILE WPIDS  
0\* FILE WPINDEX



1 FILES HAVE ONE OR MORE ANSWERS, 19 FILES SEARCHED IN STNINDEX

L11 QUE L6

=> file toxcenter ca caplus uspat2 uspatfull

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.61

183.90

FILE 'TOXCENTER' ENTERED AT 14:46:54 ON 05 JUL 2006

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FILE 'CA' ENTERED AT 14:46:54 ON 05 JUL 2006

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FILE 'CAPLUS' ENTERED AT 14:46:54 ON 05 JUL 2006

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FILE 'USPAT2' ENTERED AT 14:46:54 ON 05 JUL 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATFULL' ENTERED AT 14:46:54 ON 05 JUL 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> s 16

L12 32 L6

=> dup rem

ENTER L# LIST OR (END):12

12 IS NOT VALID HERE

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> dup rem l12

PROCESSING COMPLETED FOR L12

L13 10 DUP REM L12 (22 DUPLICATES REMOVED)

=> sort l13 py,A

SORT ENTIRE ANSWER SET? (Y)/N:y

PROCESSING COMPLETED FOR L13

L14 10 SORT L13 PY A

=> d ibib 1-10

L14 ANSWER 1 OF 10 CA COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 102:125037 CA

TITLE: Investigation of metabolites of tofizopam in man and animals

AUTHOR(S): Tomori, Eva; Elekes, Istvan; Lang, Tibor; Horvath, Gyula

CORPORATE SOURCE: Inst. Drug Res., Budapest, H-1325, Hung.

SOURCE: Polish Journal of Pharmacology and Pharmacy (1984), 36(4), 423-30

CODEN: PJPPAA; ISSN: 0301-0244

DOCUMENT TYPE: Journal

LANGUAGE: English

L14 ANSWER 2 OF 10 CA COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 139:350760 CA

TITLE: Preparation of 2,3-benzodiazepines for treatment of irritable bowel syndrome and nonulcer dyspepsia.  
INVENTOR(S): Harris, Herbert W.; Kucharik, Robert F.  
PATENT ASSIGNEE(S): Vela Pharmaceuticals, Inc., USA  
SOURCE: U.S., 18 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6638928	B1	20031028	US 2002-309526	20021203
CA 2508546	AA	20040617	CA 2003-2508546	20031203
WO 2004050616	A2	20040617	WO 2003-US38637	20031203
WO 2004050616	A3	20040910		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2003297663	A1	20040623	AU 2003-297663	20031203
EP 1567162	A2	20050831	EP 2003-812516	20031203
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
JP 2006510632	T2	20060330	JP 2004-557604	20031203
PRIORITY APPLN. INFO.:			US 2002-309526	A 20021203
			WO 2003-US38637	W 20031203

OTHER SOURCE(S): MARPAT 139:350760  
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 10 TOXCENTER COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:271001 TOXCENTER  
COPYRIGHT: Copyright 2006 ACS  
DOCUMENT NUMBER: CA14125410972M  
TITLE: Preparation of (R)-2,3-benzodiazepine derivatives and method of lowering body temperature with them  
AUTHOR(S): Leventer, Steven M.; Kucharik, Robert F.  
PATENT INFORMATION: US 2004224943 A1 11 Nov 2004  
SOURCE: (2004) U.S. Pat. Appl. Publ., 22 pp., Cont.-in-part of U.S. Ser. No. 781,422.  
CODEN: USXXCO.  
COUNTRY: UNITED STATES  
DOCUMENT TYPE: Patent  
FILE SEGMENT: CAPLUS  
OTHER SOURCE: CAPLUS 2004:964818  
LANGUAGE: English  
ENTRY DATE: Entered STN: 7 Dec 2004  
Last Updated on STN: 4 Jul 2006

L14 ANSWER 4 OF 10 TOXCENTER COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:175795 TOXCENTER  
COPYRIGHT: Copyright 2006 ACS  
DOCUMENT NUMBER: CA14108123661D  
TITLE: Method of increasing neutrophil production using 2,3-benzodiazepines  
AUTHOR(S): Harris, Herbert W.; Kucharik, Robert F.

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004254173	A1	20041216	US 2003-461290	20030613
PRIORITY APPLN. INFO.:			US 2003-461290	20030613
OTHER SOURCE(S):	MARPAT 142:56375			

L14 ANSWER 8 OF 10 CA COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 141:123662 CA  
TITLE: A preparation of 2,3-benzodiazepine derivatives,  
useful for the treatment of inflammatory disorders  
INVENTOR(S): Kucharik, Robert F.; Harris, Herbert W.  
PATENT ASSIGNEE(S): Vela Pharmaceuticals, Inc., USA  
SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S.  
Ser. No. 309,573.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004138209	A1	20040715	US 2003-727940	20031203
US 2004106602	A1	20040603	US 2002-309573	20021203
US 6864251	B2	20050308		
WO 2005056017	A1	20050623	WO 2004-US40403	20041203
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2002-309573	A2 20021203
			US 2003-727940	A 20031203
			WO 2003-US38643	A 20031203
OTHER SOURCE(S):	MARPAT 141:123662			

L14 ANSWER 9 OF 10 CA COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 141:23558 CA  
TITLE: Preparation of optically pure (R)-2,3-benzodiazepines  
for treatment of LTB4-mediated inflammatory disorders  
INVENTOR(S): Kucharik, Robert F.; Harris, Herbert W.  
PATENT ASSIGNEE(S): Vela Pharmaceuticals, Inc., USA  
SOURCE: U.S. Pat. Appl. Publ., 27 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004106602	A1	20040603	US 2002-309573	20021203
US 6864251	B2	20050308		
CA 2508312	AA	20040617	CA 2003-2508312	20031203
WO 2004050080	A1	20040617	WO 2003-US38643	20031203

CORPORATE SOURCE: ASSIGNEE: Vela Pharmaceuticals, Inc.  
PATENT INFORMATION: US 2004138210 A1 15 Jul 2004  
SOURCE: (2004) U.S. Pat. Appl. Publ., 29 pp., Cont.-in-part of  
U.S. Ser. No. 309,527.  
CODEN: USXXCO.  
COUNTRY: UNITED STATES  
DOCUMENT TYPE: Patent  
FILE SEGMENT: CAPLUS  
OTHER SOURCE: CAPLUS 2004:569860  
LANGUAGE: English  
ENTRY DATE: Entered STN: 10 Aug 2004  
Last Updated on STN: 13 Sep 2005

L14 ANSWER 5 OF 10 TOXCENTER COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:149868 TOXCENTER  
COPYRIGHT: Copyright 2006 ACS 10 728261  
DOCUMENT NUMBER: CA14103033842J  
TITLE: Pharmaceutical composition of 1-(3,4-dimethoxyphenyl)-4-methyl-5-ethyl-7-methoxy-8-hydroxy-5H-2,3-benzodiazepine and uses thereof

AUTHOR(S): Kucharik, Robert F.; Leventer, Steven M.; Harris, Herbert W.

CORPORATE SOURCE: ASSIGNEE: Vela Pharmaceuticals, Inc.  
PATENT INFORMATION: WO 2004050040 A2 17 Jun 2004  
SOURCE: (2004) PCT Int. Appl., 59 pp.  
CODEN: PIXXD2.

COUNTRY: UNITED STATES  
DOCUMENT TYPE: Patent  
FILE SEGMENT: CAPLUS  
OTHER SOURCE: CAPLUS 2004:490707  
LANGUAGE: English  
ENTRY DATE: Entered STN: 7 Jul 2004  
Last Updated on STN: 28 Feb 2006

L14 ANSWER 6 OF 10 TOXCENTER COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2004:143871 TOXCENTER  
COPYRIGHT: Copyright 2006 ACS  
DOCUMENT NUMBER: CA14102023557F  
TITLE: Preparation of (R)-2,3-benzodiazepines for the treatment of neutropenia.

AUTHOR(S): Harris, Herbert W.; Kucharik, Robert F.

CORPORATE SOURCE: ASSIGNEE: Vela Pharmaceuticals, Inc.  
PATENT INFORMATION: US 2004106601 A1 3 Jun 2004  
SOURCE: (2004) U.S. Pat. Appl. Publ., 20 pp.  
CODEN: USXXCO.

COUNTRY: UNITED STATES  
DOCUMENT TYPE: Patent  
FILE SEGMENT: CAPLUS  
OTHER SOURCE: CAPLUS 2004:451630  
LANGUAGE: English  
ENTRY DATE: Entered STN: 29 Jun 2004  
Last Updated on STN: 11 Apr 2006

L14 ANSWER 7 OF 10 CA COPYRIGHT 2006 ACS on STN 10 461290  
ACCESSION NUMBER: 142:56375 CA  
TITLE: Modulation of dopamine responses with substituted (S)-2,3-benzodiazepines  
INVENTOR(S): Leventer, Steven M.; Harris, Herbert W.; Kucharik, Robert F.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 33 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003298913 A1 20040623 AU 2003-298913 20031203  
 US 2004138209 A1 20040715 US 2003-727940 20031203  
 EP 1581206 A1 20051005 EP 2003-796673 20031203

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2006510635 T2 20060330 JP 2004-557607 20031203

PRIORITY APPLN. INFO.: US 2002-309573 A 20021203  
 WO 2003-US38643 W 20031203

OTHER SOURCE(S): MARPAT 141:23558

REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 10 OF 10 USPATFULL on STN

ACCESSION NUMBER: 2004:203941 USPATFULL

TITLE: Pharmaceutical composition of 1- (3,4-dimethoxyphenyl)-4-methyl-5-ethyl-7-methoxy-8-hydroxy-5H-2,3-benzodiazepine and uses thereof

INVENTOR(S): Harris, Herbert W., Merion, PA, UNITED STATES  
 Kucharik, Robert F., Glenmoore, PA, UNITED STATES  
 Leventer, Steven M., Langhorne, PA, UNITED STATES

PATENT ASSIGNEE(S): Vela Pharmaceuticals, Inc., Lawrenceville, NJ (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004157833	A1	20040812
APPLICATION INFO.:	US 2003-728261	A1	20031203 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-430771P	20021203 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	DRINKER BIDDLE & REATH, ONE LOGAN SQUARE, 18TH AND CHERRY STREETS, PHILADELPHIA, PA, 19103-6996	
NUMBER OF CLAIMS:	58	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1897	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

	SINCE FILE ENTRY	TOTAL SESSION
=> FIL STNGUIDE		
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	17.72	201.62

FILE 'STNGUIDE' ENTERED AT 14:52:26 ON 05 JUL 2006

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Jun 30, 2006 (20060630/UP).

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"6638928"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:17
L2	2	"7022700"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:19
L3	2	"6864251"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:20
L4	4	"6683072"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:28
L5	3	"2004224943"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:28
L6	2	"20040224943"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:33
L7	5	"2004106601"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:35
L8	7674161	(R)-2,3-benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:35
L9	0	(R)-2,3-benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 15:36

## EAST Search History

L10	0	(R)-2,3-benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 15:36
L11	0	modulation benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 15:36
L12	54	preparation benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 15:37
L13	0	neutropenia benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 18:10
L14	414	neutropenia benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 15:39
L15	3	neutropenia benzodiazepines	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 15:41
L16	2	"2004138209"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 15:41
L17	0	"2003727940"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 15:54
L18	31	"3736315"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 15:56
L19	31	"4322346"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 15:57

## EAST Search History

L20	36	"4423044"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:19
L21	26	"4614740"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:22
L22	21	"4835152"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:22
L23	10	"4840948"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:23
L24	6	"5204343"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:23
L25	0	"5288863."	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:23
L26	7	"5288863"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:23
L27	19	"5459137"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:24
L28	11	"5519019"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:25
L29	11	"5521174"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:25



## EAST Search History

L30	11	"5639751"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:25
L31	13	"5891871"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:27
L32	7	"6075018"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 16:27
L33	25	"6080736"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 17:17
L34	0	grandaxin metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	SAME	OFF	2006/07/05 17:18
L35	1	grandaxin metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:20
L36	17	tofisopam metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:21
L37	123	tofisopam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:22
L38	0	I37 and 8-hydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:22
L39	80	I37 and hydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:22

## EAST Search History

L40	18	l39 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	OFF	2006/07/05 17:24
L41	96	benzodiazepine and 540/569.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 18:18
L42	89	l41 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 18:12
L43	44	l42 and hydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 18:12
L44	0	benzodiazepine and 424/244.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	NEAR	OFF	2006/07/05 18:18
S1	28477	tofisopam metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/07/05 15:11
S2	1	tofisopam metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 13:49
S3	123	tofisopam	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 13:49
S4	0	S3 and 7-methoxy-8-hydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 13:50
S5	123	S3 and py@<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 13:59

## EAST Search History

S6	17	S5 and metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 14:06
S7	102	2,3-benzodiazepine	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 14:06
S8	57	S7 and @py<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 14:08
S9	0	S8 and 8-hydroxy	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 14:07
S10	1	S8 and metabolite	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	OFF	2006/07/05 14:08

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grandaxin AND ("metabolites")

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- ☐ 1. [\[Pharmacokinetics and metabolism of tofizopam \(Grandaxin\)\]](#)  
**I Klebovich / M Abermann**, *Acta Pharm Hung*, Mar 1993  
 ...investigations of anxiolytic tofizopam (**Grandaxin**) carried out in Hungary and in...show a slower elimination of the **metabolites**. The main route of elimination...excretion of the mainly conjugated **metabolites** after the intensive first-pass...



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- ☐ 2. [Investigation of the metabolites of tofizopam in man and animals by gas-liquid chromatography-mass spectrometry.](#)  
**E Tomori / G Horváth / I Elekes / T Láng / J Körösi**, *J Chromatogr*, May 1982  
 The **metabolites** of tofizopam [**Grandaxin** 1-(3,4-dimethoxyphenyl)-4-methyl-5-ethyl-7,8-dimethoxy-5H-2,3-benzodiazepine] have been...chromatography-mass spectrometry-mass chromatography was used for the identification of the **metabolites**.

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- ☐ 3. [Investigation of the metabolites of tofizopam in man and animals by gas-liquid chromatography-mass spectrometry](#)  
**Tomori, E. / Horvath, G. / Elekes, I. / Lang, T. / Korosi, J.**, *Journal of Chromatography A*, May 1982  
 ...INVESTIGATION OF THE **METABOLITES** OF TOFIZOPAM IN...Hungary) SUMMARY The **metabolites** of tofizopam [**Grandaxin** 1-(3,4-dimethoxyphenyl)...identification of the **metabolites**. INTRODUMON Benzodiazepines...benzodiazepine (**Grandaxin** tofizopam) (1...

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- ☐ 4. Investigation of metabolites of tofizopam in man and animals.  
**E Tomori / I Elekes / T Láng / G Horváth, Pol J Pharmacol Pharm, Jul 1984**  
...dimethoxy-5H-2,3-benzodiazepine (**Grandaxin**, tofizopam) has been investigated after...and man. The major part of urinary **metabolites** was found to be conjugated with glucuronic acid. The **metabolites** were separated using TLC technique...

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- ☐ 5. Articles on Anti-Anxiety Agents, pharmacology [153K]  
May 2006  
...administration of the anxiolytic tofisopam (**grandaxin**) In young male and female human volunteers...noradrenaline), DA (dopamine) and their **metabolites** in mouse brain were measured using a...thus decreasing 5-HT and NA turnover (**metabolites**/monoamine ratio) in the hypothalamus...  
[http://anti-anxiety-agents.lib.bioinfo.pl/meid:41145]  
[similar results](#)
- ☐ 6. Papers on drug effects, Heart Rate [165K]  
Apr 2006  
We hypothesized that gene polymorphisms at the beta2-AR may influence the hemodynamic response to propranolol in patients with cirrhosis. The beta2-AR gene polymorphisms were determined by direct sequencing of the polymerase chain reaction (PCR) products in 48 patients with cirrhosis.  
[more hits from](#) [http://lib.bioinfo.pl/meid:49842]  
[similar results](#)
- ☐ 7. Chromatographic separation of 2,3-benzodiazepines  
**Rizzo, M., Journal of Chromatography B: Biomedical Sciences and Applications, Sep 2000**  
...impurities were the tablets of **Grandaxin** (R) [30,41] and Tofisopam...also used for isolation of **metabolites** from faeces (for up to 20...procedures to obtain the free-**metabolites** include homogenization, purification...2,3-BZs and their related **metabolites**: HPLC, GC and TLC. Chromatographic...  
**Published journal article available from**  **SCIENCE @ DIRECT**  
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- ☐ 8. METHOD OF LOWERING BODY TEMPERATURE WITH (S)-2,3-BENZODIAZEPINES  
**HARRIS, Herbert, W. / KUCHARIK, Robert, F. / VELA PHARMACEUTICALS, INC., PATENT COOPERATION TREATY APPLICATION, Sep 2004**  
...activity. Compounds such as tofisopam (**Grandaxin**), girisopam, and norisopam have demonstrated...and rabbit to one or more of six major **metabolites**, depending on the host species: Compound...Compounds 1, 3 and 5 have been identified as **metabolites** in humans. These compounds have been...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
[view all 4 results from Patent Offices](#)  
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- ☐ 9. PHARMACEUTICAL COMPOSITION OF 1-(3-HYDROXY-4-METHOXYPHENYL)-4-METHYL-5-ETHYL-7,8-DIMETHOXY-5H-2,3-BENZODIAZEPINE AND USES...  
**HARRIS, Herbert, W. / LEVENTER, Steven, M. / KUCHARIK, Robert, F. / VELA PHARMACEUTICALS, INC., PATENT COOPERATION TREATY APPLICATION, Aug 2004**  
...activity. Compounds such as tofisopam (**Grandaxin**)(structure shown below, with the atom...and rabbit to one or more of six major **metabolites**, depending on the host species: Compound...Compounds I, 3 and 5 have been identified as **metabolites** in humans. These compounds have been...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**

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[similar results](#)

☐ **10. TREATMENT OF IRRITABLE BOWEL SYNDROME AND NONULCER DYSPEPSIA WITH SUBSTITUTED 2,3-BENZODIAZEPINES**

**HARRIS, Herbert, W. / KUCHARIK, Robert, F. / VELA PHARMACEUTICALS, INC.,**  
*PATENT COOPERATION TREATY APPLICATION*, Jun 2004

...activity. Compounds such as tofisopam (**Grandaxin**)(structure shown below, with the atom...and rabbit to one or more of six major **metabolites**, depending on the host species: WO 2004...Compounds 1, 3 and 5 have been identified as **metabolites** in humans. These compounds have been...

**Full text available at patent office. For more in-depth searching go to**  LexisNexis

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☐ **11. PHARMACEUTICAL COMPOSITION OF 1-(3,4-DIMETHOXYPHENYL)-4-METHYL-5-ETHYL-7-METHOXY-8-HYDROXY-5H-2,3-BENZODIAZEPINE AND USES...**

**KUCHARIK, Robert, F. / LEVENTER, Steven, M. / HARRIS, Herbert, W. / VELA PHARMACEUTICALS, INC.,**  
*PATENT COOPERATION TREATY APPLICATION*, Jun 2004

...activity. Compounds such as tofisopam (**Grandaxin**)(structure shown below, with the atom...and rabbit to one or more of six major **metabolites**, depending on the host species: Compound...Compounds 1, 3 and 5 have been identified as **metabolites** in humans. These compounds have been...

**Full text available at patent office. For more in-depth searching go to**  LexisNexis

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[similar results](#)

☐ **12. Subject index**

*Journal of Chromatography A*, Jan 1983

...acebutolol and two of its 205(1981)199 **metabolites** in plasma and urine 230(1982) 438 Analysis...plant hormones using HPLC Acebutolol **metabolites** 208(1981)124 Semi-automated HPLC method...preparative reversed-phase LC 208(1981)347 **metabolites** of paracetamol using ion suppression...

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☐ **13. Author index**

*Journal of Chromatography A*, Jan 1983

...FI 168(1979)284 for vitamin D and its **metabolites** Abraham, M.H., Huq, D., Koenigsberger...of daunorubicin and its Aitio, M.-L, **metabolites** by HPLC with electrochemical Simultaneous...the major urinary Aitzetmiiller, K. **metabolites** of Saddamine and aspirin Sugar ~nalysis...

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☐ **14. Behavioral pharmacology of minor tranquilizers**

**File, S.E. / Pellow, S.,** *Pharmacology and Therapeutics*, Jan 1987

Pharmac. Ther. Vol. 35, pp. 265 to 290, 1987 0163-7258/87 \$0.00+0.50 Printed in Great Britain. All rights reserved Copyright © 1987 Pergamon Journals Ltd Specialist Subject Editor: D. J. K. BALFOUR BEHAVIORAL PHARMACOLOGY OF MINOR TRANQUILIZERS S. E. FILE and S.

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☐ **15. Papers on drug effects, Retina** [164K]

Apr 2006

AIM: To investigate the effects of indocyanine green (ICG) with or without illumination on rat retinal ganglion cells (RGC) and retinal morphology. METHODS: Intravitreal injections of 1.0 mg/ml ICG solution were performed in rat eyes with or without subsequent illumination for 5 minutes.

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